

Gregory, Bernarr

From: PLUS
Sent: Thursday, January 27, 2005 2:21 PM
To: Gregory, Bernarr
Subject: PLUS Results for 10634485

Here are the PLUS search results for 10634485.

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10634485_DUAL.txt



10634485_LIST.txt



10634485_WEST.txt



10634485_EAST.txt



10634485.east



10634485_CLS.txt



10634485_CLSTITLES.

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10634485_WDS.txt

10634485_QUAL

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10634485_LIST

106344

85

PLUS Search Results for S/N 10634485, Searched January 27, 2005

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

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10634485_CLS

Most Frequently Occurring Classifications of Patents Returned
From A Search of 10634485 on January 27, 2005

Original Classifications

27 604/192
20 604/198
9 604/110
6 606/181
5 604/263
5 606/182
4 604/187
3 464/172
3 604/232
2 30/454
2 102/307
2 102/336
2 141/329
2 206/365
2 222/1
2 267/140.13
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2 411/431
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Cross-Reference Classifications

46 604/263
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3 241/194
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2 607/127

10634485_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned

From A Search of 10634485 on January 27, 2005

51 604/263 (5 OR, 46 XR)
Class 604 : SURGERY
604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO
M
ICATING,
604/48
subcutaneously
604/93.01
inserted in body
604/263
42 604/192 (27 OR, 15 XR)
Class 604 : SURGERY
604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO
M
EDICATING,
604/48
ed subcutaneously
604/93.01
r inserted in body
604/181
conduit, holder,
604/187
hypodermic
, etc.)
604/192
BODY FOR THERAPEUTIC PURPOSES (E.G., MED
IRRIGATING, ASPIRATING, ETC.)
.Treating material introduced into or removed
from body orifice, or inserted or removed
other than by diffusing through skin
.Material introduced or removed through
conduit, holder, or implantable reservoir
...Removable cover or protector for body
inserted conduit
BODY FOR THERAPEUTIC PURPOSES (E.G., M
IRRIGATING, ASPIRATING, ETC.)
.Treating material introduced into or removed
from body orifice, or inserted or removed
other than by diffusing through skin
.Material introduced or removed through
conduit, holder, or implantable reservoir
...Means moved by person to inject or remove
fluent material to or from body inserted
or reservoir
....Injector or aspirator syringe supported
only by person during use (e.g., hand held
syringe, douche tube with forced injection
.....Having cover or protector for body

10634485_CLSTITLES
entering conduit

38 604/198 (20 OR, 18 XR)
Class 604 : SURGERY
604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO
M
MEDICATING,
604/48
ved subcutaneously
604/93.01
ir inserted in body
604/181
conduit, holder,
604/187
d hypodermic
n, etc.)
604/192
604/198
ther

24 604/110 (9 OR, 15 XR)
Class 604 : SURGERY
604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO
M
ICATING,
604/48
subcutaneously
604/93.01
inserted in body
604/110

BODY FOR THERAPEUTIC PURPOSES (E.G.,
IRRIGATING, ASPIRATING, ETC.)
.Treating material introduced into or removed
from body orifice, or inserted or remo
other than by diffusing through skin
.Material introduced or removed through
conduit, holder, or implantable reservo
...Means moved by person to inject or remove
fluent material to or from body inserted
or reservoir
....Injector or aspirator syringe supported
only by person during use (e.g., hand hel
syringe, douche tube with forced injectio
.....Having cover or protector for body
entering conduit
.....Cover or protector for body entering
conduit movable axially relative to one ano
ther

BODY FOR THERAPEUTIC PURPOSES (E.G., MED
ICATING,
IRRIGATING, ASPIRATING, ETC.)
.Treating material introduced into or removed
from body orifice, or inserted or removed
other than by diffusing through skin
.Material introduced or removed through
conduit, holder, or implantable reservoir
...Having means for preventing reuse of device

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10 206/365 (2 OR, 8 XR)
Class 206 : SPECIAL RECEPTACLE OR PACKAGE
206/349 FOR A TOOL (E.G., KNIFE, SHAVER)
206/363 .Body treatment (i.e., surgical, but not
cosmetic)
206/364 ..Syringe (e.g., enema or catheter, per se)
206/365 ...Hypodermic or needle, per se

9 128/919 (0 OR, 9 XR)
Class 128 : SURGERY
128/917 BODY FLUID, DEVICES FOR PROTECTION THEREFROM
(E.G., AIDS, HEPATITUS, ETC.)
128/919 .Syringe, means to protect user

8 604/232 (3 OR, 5 XR)
Class 604 : SURGERY
604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO
M
MEDICATING,
604/48
ved subcutaneously
604/93.01
ir inserted in body
604/181
conduit, holder,
604/187
d hypodermic
n, etc.)
604/218
604/232
7 604/187 (4 OR, 3 XR)
Class 604 : SURGERY
604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO

BODY FOR THERAPEUTIC PURPOSES (E.G.,
IRRIGATING, ASPIRATING, ETC.)
.Treating material introduced into or removed
from body orifice, or inserted or remo
other than by diffusing through skin
.Material introduced or removed through
conduit, holder, or implantable reservo
...Means moved by person to inject or remove
fluent material to or from body inserted
or reservoir
....Injector or aspirator syringe supported
only by person during use (e.g., hand hel
syringe, douche tube with forced injectio
.....With piston or plunger for expelling
material from body or injector reservoir
.....Material reservoir (e.g., cartridge,
etc.) removably mounted in syringe

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M

DICATING,

604/48

subcutaneously

604/93.01

inserted in body

604/181

onduit, holder,

604/187

hypodermic

etc.)

7 606/181 (6 OR, 1 XR)

Class 606 : SURGERY

606/1 INSTRUMENTS

606/167 .Cutting, puncturing or piercing

606/181 ..Lancet

6 604/111 (2 OR, 4 XR)

Class 604 : SURGERY

604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO

M

ICATING,

604/48

subcutaneously

604/93.01

inserted in body

604/111

...Having means for indicating device is defective , used, or tampered with

6 604/197 (1 OR, 5 XR)

Class 604 : SURGERY

M

10634485 CLSTITLES
604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO

MEDICATING,

604/48

ved subcutaneously

604/93.01

ir inserted in body

604/181

...Means moved by person to inject or remove
fluent material to or from body inserted

conduit, holder,

604/187

d hypodermic

n, etc.)

604/192

604/197

voir

BODY FOR THERAPEUTIC PURPOSES (E.G.,

IRRIGATING, ASPIRATING, ETC.)

.Treating material introduced into or removed
from body orifice, or inserted or remo

other than by diffusing through skin

..Material introduced or removed through
conduit, holder, or implantable reservo

...Means moved by person to inject or remove
fluent material to or from body inserted

or reservoir

....Injector or aspirator syringe supported
only by person during use (e.g., hand hel

syringe, douche tube with forced injectio

.....Having cover or protector for body
entering conduit

.....Common cover or protector for body
entering conduit and material syringe reser

6 606/182 (5 OR, 1 XR)

Class 606 : SURGERY

606/1 INSTRUMENTS

606/167 .Cutting, puncturing or piercing

606/181 ..Lancet

606/182 ...Spring driven or biased into cutting
position

5 606/185 (2 OR, 3 XR)

Class 606 : SURGERY

606/1 INSTRUMENTS

606/167 .Cutting, puncturing or piercing

606/185 ..Puncturing or piercing

4 206/364 (1 OR, 3 XR)

Class 206 : SPECIAL RECEPTACLE OR PACKAGE

206/349 FOR A TOOL (E.G., KNIFE, SHAVER)

206/363 .Body treatment (i.e., surgical, but not
cosmetic)

206/364 ..Syringe (e.g., enema or catheter, per se)

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4 241/194 (1 OR, 3 XR)
Class 241 : SOLID MATERIAL COMMINUTION OR DISINTEGRATION

241/191 .Rotary striking member, rotor structure
241/194 ..Striking member pivoted to rotor

4 401/202 (2 OR, 2 XR)
Class 401 : COATING IMPLEMENTS WITH MATERIAL SUPPLY
401/196 MATERIAL FLOWS THROUGH POROUS TOOL
401/202 .With removable cap for tool

4 401/243 (0 OR, 4 XR)
Class 401 : COATING IMPLEMENTS WITH MATERIAL SUPPLY
401/221 BIFURCATE POINTED NIB TOOL (E.G., FOUNTAIN PEN
)

401/222 .Including reservoir and feeder
401/243 ..Including removable cap for tool

4 422/100 (1 OR, 3 XR)
Class 422 : CHEMICAL APPARATUS AND PROCESS DISINFECTION,
DEODORIZING, PRESERVING, OR STERILIZING
422/50 ANALYZER, STRUCTURED INDICATOR, OR MANIPULATIV

E LABORATORY DEVICE
422/99 .Miscellaneous laboratory apparatus and
elements, per se
422/100 ..Pipette or other volumetric fluid transfer
means

4 464/172 (3 OR, 1 XR)
Class 464 : ROTARY SHAFTS, GUDGEONS, HOUSINGS, AND
FLEXIBLE COUPLINGS FOR ROTARY SHAFTS
464/170 HOUSING
464/172 .Telescoping cylindrical housing members

4 604/218 (0 OR, 4 XR)
Class 604 : SURGERY
604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO

M BODY FOR THERAPEUTIC PURPOSES (E.G., M
EDICATING,
IRRIGATING, ASPIRATING, ETC.)
604/48 .Treating material introduced into or removed
from body orifice, or inserted or remov
ed subcutaneously
other than by diffusing through skin

10634485_CLSTITLES
 604/93.01 ..Material introduced or removed through
 conduit, holder, or implantable reservoir
 r inserted in body

604/181 ...Means moved by person to inject or remove
 fluent material to or from body inserted
 conduit, holder,

604/187Injector or aspirator syringe supported
 only by person during use (e.g., hand held
 hypodermic
 , etc.)
 604/218With piston or plunger for expelling
 material from body or injector reservoir

4 604/240 (0 OR, 4 XR)
 Class 604 : SURGERY
 604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO
 M
 EDICATING,
 604/48 .Treating material introduced into or removed
 ed subcutaneously
 604/93.01 other than by diffusing through skin
 r inserted in body ..Material introduced or removed through
 conduit, holder, or implantable reservoir

604/181 ...Means moved by person to inject or remove
 fluent material to or from body inserted
 conduit, holder,

604/187Injector or aspirator syringe supported
 hypodermic
 , etc.)
 604/240Specific structure of means connecting
 body entering conduit to syringe

4 606/167 (0 OR, 4 XR)
 Class 606 : SURGERY
 606/1 INSTRUMENTS
 606/167 .Cutting, puncturing or piercing

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3 36/3B (1 OR, 2 XR)
Class 036 : BOOTS, SHOES, AND LEGGINGS
36/83 BOOTS AND SHOES
36/3R .Ventilated
36/3B ..Soles

3 206/366 (1 OR, 2 XR)
Class 206 : SPECIAL RECEPTACLE OR PACKAGE
206/349 FOR A TOOL (E.G., KNIFE, SHAVER)
206/363 .Body treatment (i.e., surgical, but not cosmetic)
206/364 ..Syringe (e.g., enema or catheter, per se)
206/365 ...Hypodermic or needle, per se
206/366Plural

3 241/197 (1 OR, 2 XR)
Class 241 : SOLID MATERIAL COMMINUTION OR DISINTEGRATION
241/195 .Rotary striking member or hammer
241/197 ..With attached wear member

3 313/634 (0 OR, 3 XR)
Class 313 : ELECTRIC LAMP AND DISCHARGE DEVICES
313/567 WITH GAS OR VAPOR
313/634 .Envelope with particular structure

3 401/213 (0 OR, 3 XR)
Class 401 : COATING IMPLEMENTS WITH MATERIAL SUPPLY
401/208 INCLUDING BALL, ROLLER OR ENDLESS-BELT TOOL
401/209 .Ball
401/213 ..With sealing cap

3 428/461 (0 OR, 3 XR)
Class 428 : STOCK MATERIAL OR MISCELLANEOUS ARTICLES
428/411.1 COMPOSITE (NONSTRUCTURAL LAMINATE)
428/457 .Of metal
428/461 ..Next to addition polymer from unsaturated monomers

3 464/175 (0 OR, 3 XR)
Class 464 : ROTARY SHAFTS, GUDGEONS, HOUSINGS, AND FLEXIBLE COUPLINGS FOR ROTARY SHAFTS
464/170 HOUSING
464/173 .Flexible housing
464/175 ..Corrugated structure

3 600/576 (0 OR, 3 XR)
Class 600 : SURGERY

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600/300 DIAGNOSTIC TESTING
600/573 .Liquid collection
600/576 ..Manually supported collector with rigid
 intake tube (e.g., a hollow needle, etc.)

3 604/157 (2 OR, 1 XR)
Class 604 : SURGERY
604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO

M
DICATING,
BODY FOR THERAPEUTIC PURPOSES (E.G., ME

604/48 IRRIGATING, ASPIRATING, ETC.)
.Treating material introduced into or removed
from body orifice, or inserted or remove

d subcutaneously
other than by diffusing through skin
604/93.01 ..Material introduced or removed through
 conduit, holder, or implantable reservoir

inserted in body
604/156 ...Conduit forced into body by self-acting
 fluid pressure, motor-driven, or mechanica
l energy storing
means
604/157 Conduit impelled by spring

3 604/199 (0 OR, 3 XR)
Class 604 : SURGERY
604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO

M
EDICATING,
BODY FOR THERAPEUTIC PURPOSES (E.G., M

604/48 IRRIGATING, ASPIRATING, ETC.)
.Treating material introduced into or removed
from body orifice, or inserted or remov

ed subcutaneously
other than by diffusing through skin
604/93.01 ..Material introduced or removed through
 conduit, holder, or implantable reservoir

r inserted in body
604/181 ...Means moved by person to inject or remove
 fluent material to or from body inserted
conduit, holder,
or reservoir
604/187 Injector or aspirator syringe supported
 only by person during use (e.g., hand held
hypodermic

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syringe, douche tube with forced injection
, etc.)

604/199 Having structure for facilitating
amination of sterilization of syringe or preventing cont
material therein

3 604/201 (0 OR, 3 XR)
Class 604 : SURGERY
604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO
M
MEDICATING,
604/48 BODY FOR THERAPEUTIC PURPOSES (E.G.,
ved subcutaneously
604/93.01 IRRIGATING, ASPIRATING, ETC.)
ir inserted in body Treating material introduced into or removed
from body orifice, or inserted or remo
other than by diffusing through skin
..Material introduced or removed through
conduit, holder, or implantable reservo
604/181 Means moved by person to inject or remove
conduit, holder, fluent material to or from body inserted
604/187 or reservoir
d hypodermic Injector or aspirator syringe supported
n, etc.) only by person during use (e.g., hand hel
604/200 syringe, douche tube with forced injectio
604/201
....Means broken, cut, pierced, or torn to
permit material flow to or from body
.....Septum pierced by conduit to permit flow

3 604/241 (0 OR, 3 XR)
Class 604 : SURGERY
604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO
M
MEDICATING,
604/48 BODY FOR THERAPEUTIC PURPOSES (E.G.,
ved subcutaneously
604/93.01 IRRIGATING, ASPIRATING, ETC.)
other than by diffusing through skin
..Material introduced or removed through

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conduit, holder, or implantable reservoir

ir inserted in body

604/181

...Means moved by person to inject or remove
fluent material to or from body inserted
or reservoir

604/187

....Injector or aspirator syringe supported
only by person during use (e.g., hand hel
syringe, douche tube with forced injectio

d hypodermic

n, etc.)

604/240

.....Specific structure of means connecting
body entering conduit to syringe

604/241

.....Conduit holder attached to another
syringe component by thread means

3 604/265 (1 OR, 2 XR)

Class 604 : SURGERY

MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO

M

DICATING,

604/48

BODY FOR THERAPEUTIC PURPOSES (E.G., ME

IRRIGATING, ASPIRATING, ETC.)

. Treating material introduced into or removed
from body orifice, or inserted or remove

d subcutaneously

604/93.01

other than by diffusing through skin

..Material introduced or removed through
conduit, holder, or implantable reservoir

inserted in body

604/264

...Body inserted tubular conduit structure
(e.g., needles, cannulas, nozzles, trocars

, catheters,

etc.)

604/265

....With body soluble, antibactericidal or
lubricating materials on conduit

3 604/272 (0 OR, 3 XR)

Class 604 : SURGERY

MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO

M

DICATING,

604/48

BODY FOR THERAPEUTIC PURPOSES (E.G., ME

IRRIGATING, ASPIRATING, ETC.)

. Treating material introduced into or removed
from body orifice, or inserted or remove

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d subcutaneously
604/93.01 other than by diffusing through skin
..Material introduced or removed through
conduit, holder, or implantable reservoir
inserted in body
604/264 ...Body inserted tubular conduit structure
(e.g., needles, cannulas, nozzles, trocars
, catheters,
etc.)
604/272Body piercing conduit (e.g., needle, etc.)

3 604/414 (0 OR, 3 XR)
Class 604 : SURGERY
604/403 CONTAINER FOR BLOOD OR BODY TREATING MATERIAL,
OR MEANS USED THEREWITH (E.G., NEEDLE FOR
PIERCING
CONTAINER CLOSURE, ETC.)
604/411 .Having hollow needle or spike for piercing
container or container closure
604/414 ..Mounted on one container and used to pierce
another container or closure

3 604/506 (0 OR, 3 XR)
Class 604 : SURGERY
604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO
M
ICATING,
604/48 BODY FOR THERAPEUTIC PURPOSES (E.G., MED
subcutaneously
604/500 IRRIGATING, ASPIRATING, ETC.)
604/506 .Treating material introduced into or removed
from body orifice, or inserted or removed
other than by diffusing through skin
..Method
...Therapeutic material introduced or removed
through a piercing conduit (e.g., trocar) i
nserted into
body

3 606/44 (2 OR, 1 XR)
Class 606 : SURGERY
606/1 INSTRUMENTS
606/32 .Electrical application
606/41 ..Applicators
606/43 ...Depilation
606/44By needle

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2 12/142V (1 OR, 1 XR)
Class 012 : BOOT AND SHOE MAKING
12/142R PROCESSES
12/142V .Ventilated

2 30/454 (2 OR, 0 XR)
Class 030 : CUTLERY
30/451 STATIC PENCIL SHARPENER
30/453 .With debris receiver
30/454 ..Conical or cylindrical work guide

2 36/72R (1 OR, 1 XR)
Class 036 : BOOTS, SHOES, AND LEGGINGS
36/72R PROTECTORS

2 40/311 (0 OR, 2 XR)
Class 040 : CARD, PICTURE, OR SIGN EXHIBITING
40/299.01 CHECK, LABEL, OR TAG
40/310 .Bottle-carried indicia
40/311 ..Cap- or cork-attached

2 73/23.31 (1 OR, 1 XR)
Class 073 : MEASURING AND TESTING
73/23.2 GAS ANALYSIS
73/23.31 .Gas of combustion

2 73/31.05 (0 OR, 2 XR)
Class 073 : MEASURING AND TESTING
73/23.2 GAS ANALYSIS
73/31.05 .Detector detail

2 73/864.16 (1 OR, 1 XR)
Class 073 : MEASURING AND TESTING
73/863 SAMPLER, SAMPLE HANDLING, ETC.
73/864 .Capture device
73/864.01 ..Pipette or cannula
73/864.11 ...With suction applying and liquid discharge
means
73/864.16Piston and cylinder

2 102/307 (2 OR, 0 XR)
Class 102 : AMMUNITION AND EXPLOSIVES
102/301 BLASTING
102/305 .Detonation wave modifying
102/306 ..Shaped charge or charge with detonation wave
cavity modifier
102/307 ...Linear or curvilinear cavity

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2 102/336 (2 OR, 0 XR)
Class 102 : AMMUNITION AND EXPLOSIVES
102/335 PYROTECHNICS
102/336 .Flare

2 102/370 (0 OR, 2 XR)
Class 102 : AMMUNITION AND EXPLOSIVES
102/367 GAS OR MIST DISPERSING
102/370 .Cartridge or projectile

2 102/476 (1 OR, 1 XR)
Class 102 : AMMUNITION AND EXPLOSIVES
102/473 SHELLS
102/475 .Focused or directed detonation
102/476 ..Shaped charge

2 128/844 (0 OR, 2 XR)
Class 128 : SURGERY
128/842 MALE REPRODUCTORY TRACT SHIELDS OR BIRTH
CONTROL DEVICES (E.G., PROPHYLACTICS, VAS
DEFERENS VALVES,
ETC.)
128/844 .Condoms

2 128/898 (1 OR, 1 XR)
Class 128 : SURGERY
128/897 MISCELLANEOUS
128/898 .Methods

2 128/912 (0 OR, 2 XR)
Class 128 : SURGERY
128/912 CONNECTIONS AND CLOSURES FOR TUBES DELIVERING
FLUIDS TO OR FROM THE BODY

2 138/96T (1 OR, 1 XR)
Class 138 : PIPES AND TUBULAR CONDUITS
138/96R END PROTECTORS
138/96T .Threaded

2 141/27 (0 OR, 2 XR)
Class 141 : FLUENT MATERIAL HANDLING, WITH RECEIVER OR
RECEIVER COACTING MEANS
141/18 FILLING OR REFILLING OF DISPENSERS
141/21 .By operation of means causing or controlling
dispensing
141/25 ..Expansible chamber of fluid pressure applyin

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or controlling means
141/27 ...Container with follower

2 141/329 (2 OR, 0 XR)
Class 141 : FLUENT MATERIAL HANDLING, WITH RECEIVER OR
RECEIVER COACTING MEANS
141/311R FILLING MEANS WITH RECEIVER OR RECEIVER
COACTING MEANS
141/329 .With puncturing connecting means

2 204/428 (1 OR, 1 XR)
Class 204 : CHEMISTRY: ELECTRICAL AND WAVE ENERGY
204/193 APPARATUS
204/194 .Electrolytic
204/400 ..Analysis and testing
204/421 ...Solid electrolyte
204/424Gas sample sensor
204/427With gas reference material
204/428With protective element

2 206/349 (1 OR, 1 XR)
Class 206 : SPECIAL RECEPTACLE OR PACKAGE
206/349 FOR A TOOL (E.G., KNIFE, SHAVER)

2 206/438 (0 OR, 2 XR)
Class 206 : SPECIAL RECEPTACLE OR PACKAGE
206/438 FOR BODY TREATMENT ARTICLE OR MATERIAL (I.E.,
"SURGICAL" OR THERAPEUTIC TYPE)

2 206/807 (0 OR, 2 XR)
Class 206 : SPECIAL RECEPTACLE OR PACKAGE
206/807 TAMPER PROOF

2 215/226 (1 OR, 1 XR)
Class 215 : BOTTLES AND JARS
215/200 CLOSURES
215/226 .Substitute closure having means to remove
original closure

2 215/250 (0 OR, 2 XR)
Class 215 : BOTTLES AND JARS
215/200 CLOSURES
215/250 .Frangible member or portion

2 215/347 (1 OR, 1 XR)
Class 215 : BOTTLES AND JARS
215/200 CLOSURES
215/316 .Cap type

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215/341 ..With identifiable, integral, or separate
 gasket, seal, or liner

215/347 ...Distinct layers

2 219/75 (1 OR, 1 XR)

 Class 219 : ELECTRIC HEATING

 219/50 METAL HEATING (E.G., RESISTANCE HEATING)

 219/72 .Nonatmospheric environment at hot spot (e.g.,
 resistance weld under oil, vacuum)

 219/74 ..Gas supply (e.g., by ingredient of electrode
 by external source)

 219/75 ...Nonconsumable electrode (e.g., atomic
 hydrogen)

2 220/284 (0 OR, 2 XR)

 Class 220 : RECEPTACLES

 220/200 CLOSURES

 220/260 ..With closure opening arrangements for means
 (e.g., opening devices)

 220/284 ..Special tool or tool engaging means

2 222/1 (2 OR, 0 XR)

 Class 222 : DISPENSING

 222/1 PROCESSES OF DISPENSING

2 222/182 (1 OR, 1 XR)

 Class 222 : DISPENSING

 222/173 WITH CASING OR SUPPORT

 222/182 ..Enclosing cover for actuating parts of
 discharging means

2 222/501 (1 OR, 1 XR)

 Class 222 : DISPENSING

 222/501 MOVABLE OUTLET ELEMENT ACTUATOR PROJECTING
 THROUGH DISCHARGE GUIDE

2 222/518 (0 OR, 2 XR)

 Class 222 : DISPENSING

 222/511 WITH RESILIENT BIASING MEANS FOR OUTLET ELEMEN
T
e
 222/518 ..For elements reciprocable axially of discharg
 opening

2 244/3.16 (1 OR, 1 XR)

 Class 244 : AERONAUTICS

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244/3.1 MISSILE STABILIZATION OR TRAJECTORY CONTROL

244/3.15 .Automatic guidance

244/3.16 ..Optical (includes infrared)

2 267/140.13 (2 OR, 0 XR)

Class 267 : SPRING DEVICES

267/136 RESILIENT SHOCK OR VIBRATION ABSORBER

267/140.11 .Including energy absorbing means or feature
(e.g., supplemental vehicle equipment, such as motor mount,
seat, etc., including additional fluid or
friction energy
absorber)

267/140.13 ..Axial

2 374/158 (1 OR, 1 XR)

Class 374 : THERMAL MEASURING AND TESTING

374/100 TEMPERATURE MEASUREMENT (E.G., THERMOMETER)

374/158 .With removable cover for sensor (e.g.,
disposable sheath)

2 401/133 (1 OR, 1 XR)

Class 401 : COATING IMPLEMENTS WITH MATERIAL SUPPLY

401/132 INCLUDING RUPTURABLE MEANS OR SEALED-CARTRIDGE
RECEIVER

401/133 .Sealed-cartridge receiver with
flow-establishing means

2 401/134 (0 OR, 2 XR)

Class 401 : COATING IMPLEMENTS WITH MATERIAL SUPPLY

401/132 INCLUDING RUPTURABLE MEANS OR SEALED-CARTRIDGE
RECEIVER

401/133 .Sealed-cartridge receiver with
flow-establishing means

401/134 ..By piercing cartridge

2 401/195 (0 OR, 2 XR)

Class 401 : COATING IMPLEMENTS WITH MATERIAL SUPPLY

401/195 COMBINED

2 401/75 (2 OR, 0 XR)

Class 401 : COATING IMPLEMENTS WITH MATERIAL SUPPLY

401/49 SOLID MATERIAL FOR RUBBING CONTACT OR SUPPORT
THEREFOR

401/55 .Including means to advance material

401/68 ..Screw feed

401/75 ...Including means to positively transmit
rotation to sliding screw-feed member

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2 411/431 (2 OR, 0 XR)
Class 411 : EXPANDED, THREADED, DRIVEN, HEADED,
TOOL-DEFORMED, OR LOCKED-THREADED FASTENER
411/427 INTERNALLY THREADED FASTENER ELEMENT, E.G.,
NUT, ETC.
411/429 .Having cap
411/431 ..Resiliently retained

2 425/549 (1 OR, 1 XR)
Class 425 : PLASTIC ARTICLE OR EARTHENWARE SHAPING OR
TREATING: APPARATUS
425/542 FEMALE MOLD AND CHARGER TO SUPPLY FLUENT STOCK
UNDER PRESSURE THERETO IN FLUID-TIGHT REL
ATIONSHIP (E.G.,
INJECTION MOLD, ETC.)
425/547 .With means to heat or cool
425/549 ..Including heated or cooled nozzle

2 428/416 (0 OR, 2 XR)
Class 428 : STOCK MATERIAL OR MISCELLANEOUS ARTICLES
428/411.1 COMPOSITE (NONSTRUCTURAL LAMINATE)
428/413 .Of epoxy ether
428/414 ..As intermediate layer
428/416 ...Next to metal

2 428/418 (0 OR, 2 XR)
Class 428 : STOCK MATERIAL OR MISCELLANEOUS ARTICLES
428/411.1 COMPOSITE (NONSTRUCTURAL LAMINATE)
428/413 .Of epoxy ether
428/418 ..Next to metal

2 428/458 (0 OR, 2 XR)
Class 428 : STOCK MATERIAL OR MISCELLANEOUS ARTICLES
428/411.1 COMPOSITE (NONSTRUCTURAL LAMINATE)
428/457 .Of metal
428/458 ..Next to polyester, polyamide or polyimide
(e.g., alkyd, glue, or nylon, etc.)

2 428/460 (0 OR, 2 XR)
Class 428 : STOCK MATERIAL OR MISCELLANEOUS ARTICLES
428/411.1 COMPOSITE (NONSTRUCTURAL LAMINATE)
428/457 .Of metal
428/460 ..Next to aldehyde or ketone condensation
product

2 428/463 (0 OR, 2 XR)
Class 428 : STOCK MATERIAL OR MISCELLANEOUS ARTICLES

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428/411.1 COMPOSITE (NONSTRUCTURAL LAMINATE)
428/457 .Of metal
428/461 ..Next to addition polymer from unsaturated
monomers
428/463 ...Ester, halide or nitrile of addition polymer

r

2 428/522 (0 OR, 2 XR)
Class 428 : STOCK MATERIAL OR MISCELLANEOUS ARTICLES
428/411.1 COMPOSITE (NONSTRUCTURAL LAMINATE)
428/500 .Of addition polymer from unsaturated monomers
428/522 ..Ester, halide or nitrile of addition polymer

2 433/115 (1 OR, 1 XR)
Class 433 : DENTISTRY
433/25 APPARATUS
433/103 .Having motor or means to transmit motion from
motor to tool (e.g., "engine")
433/114 ..Hand-held tool or handpiece
433/115 ...Having seal

2 600/375 (1 OR, 1 XR)
Class 600 : SURGERY
600/300 DIAGNOSTIC TESTING
600/372 .Structure of body-contacting electrode or
electrode inserted in body
600/373 ..Electrode placed in body
600/374 ...Electrode placed in or on heart
600/375Anchored

2 600/563 (0 OR, 2 XR)
Class 600 : SURGERY
600/300 DIAGNOSTIC TESTING
600/562 .Sampling nonliquid body material (e.g., bone,
muscle tissue, epithelial cells, etc.)
600/563 ..Irrigation

2 600/570 (1 OR, 1 XR)
Class 600 : SURGERY
600/300 DIAGNOSTIC TESTING
600/562 .Sampling nonliquid body material (e.g., bone,
muscle tissue, epithelial cells, etc.)
600/570 ..Scraping with edged instrument

2 600/571 (2 OR, 0 XR)

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Class 600 : SURGERY

600/300 DIAGNOSTIC TESTING

600/562 .Sampling nonliquid body material (e.g., bone, muscle tissue, epithelial cells, etc.)

600/570 ..Scraping with edged instrument

600/571 ...Applying suction to sample

2 600/572 (1 OR, 1 XR)

Class 600 : SURGERY

600/300 DIAGNOSTIC TESTING

600/562 .Sampling nonliquid body material (e.g., bone, muscle tissue, epithelial cells, etc.)

600/572 ..Wiping or dabbing

2 600/573 (0 OR, 2 XR)

Class 600 : SURGERY

600/300 DIAGNOSTIC TESTING

600/573 .Liquid collection

2 604/104 (0 OR, 2 XR)

Class 604 : SURGERY

604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO

M

ICATING,

604/48 BODY FOR THERAPEUTIC PURPOSES (E.G., MED

subcutaneously IRRIGATING, ASPIRATING, ETC.)

604/93.01 .Treating material introduced into or removed from body orifice, or inserted or removed

other than by diffusing through skin

604/93.01 ..Material introduced or removed through conduit, holder, or implantable reservoir

inserted in body

604/104 ...Having means expanding body orifice or cana

1 (e.g., dilator, retaining means, etc.)

2 604/117 (1 OR, 1 XR)

Class 604 : SURGERY

604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO

M

ICATING,

604/48 BODY FOR THERAPEUTIC PURPOSES (E.G., MED

subcutaneously IRRIGATING, ASPIRATING, ETC.)

604/48 .Treating material introduced into or removed from body orifice, or inserted or removed

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604/93.01 other than by diffusing through skin
 ..Material introduced or removed through
 conduit, holder, or implantable reservoir
 inserted in body

604/117 ...Having structure for controlling depth of
 insertion of body piercer

2 604/136 (1 OR, 1 XR)
 Class 604 : SURGERY
 604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO
 M
 EDICATING,
 604/48
 ed subcutaneously
 604/93.01
 r inserted in body
 604/131
 y
 en, or mechanical
 sion or
 604/134
 604/136
Material impelled by spring
Material conduit forced into body by
 spring

2 604/162 (2 OR, 0 XR)
 Class 604 : SURGERY
 604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO
 M
 DICATING,
 604/48
 d subcutaneously
 604/93.01
 inserted in body
 BODY FOR THERAPEUTIC PURPOSES (E.G., M
 IRRIGATING, ASPIRATING, ETC.)
 .Treating material introduced into or removed
 from body orifice, or inserted or remov
 other than by diffusing through skin
 ..Material introduced or removed through
 conduit, holder, or implantable reservoi
 ...Treating material forced into or out of bod
 by self-acting fluid pressure, motor-driv
 energy storing means (e.g., pressure infu
 aspiration, etc.)
Material impelled by spring
Material conduit forced into body by
 spring

BODY FOR THERAPEUTIC PURPOSES (E.G., ME
 IRRIGATING, ASPIRATING, ETC.)
 .Treating material introduced into or removed
 from body orifice, or inserted or remove
 other than by diffusing through skin
 ..Material introduced or removed through
 conduit, holder, or implantable reservoir

10634485_CLSTITLES

604/158 ...Body entering conduit axially movable within body piercing conduit while former is disposed in the body

604/162Having guard on piercing conduit for protecting body entering conduit

2 604/163 (0 OR, 2 XR)
Class 604 : SURGERY
604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FROM
M
DICATING,
604/48 .Treating material introduced into or removed from body orifice, or inserted or removed subcutaneously
other than by diffusing through skin
604/93.01 ..Material introduced or removed through conduit, holder, or implantable reservoir inserted in body

604/158 ...Body entering conduit axially movable within body piercing conduit while former is disposed in the body

604/163Having bag or sheath enclosing body entering conduit

2 604/164.08 (1 OR, 1 XR)
Class 604 : SURGERY
604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FROM
M
DICATING,
604/48 .Treating material introduced into or removed from body orifice, or inserted or removed subcutaneously
other than by diffusing through skin
604/93.01 ..Material introduced or removed through conduit, holder, or implantable reservoir inserted in body

604/164.01 ...Body piercer, obturator rod, or stylet

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it while latter

604/164.08

axially movable within body entering condu

is disposed in body

....Having cover or protector for body enterin

g

conduit

2 604/195 (1 OR, 1 XR)

Class 604 : SURGERY

604/19

MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO

M

MEDICATING,

604/48

ved subcutaneously

604/93.01

ir inserted in body

604/181

...Means moved by person to inject or remove
fluent material to or from body inserted

conduit, holder,

604/187

d hypodermic

n, etc.)

604/192

or reservoir

....Injector or aspirator syringe supported
only by person during use (e.g., hand hel

syringe, douche tube with forced injectio

....Having cover or protector for body
entering conduit

.....Portion of body entering conduit stored
in material receiving syringe reservoir

2 604/200 (0 OR, 2 XR)

Class 604 : SURGERY

604/19

MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO

M

BODY FOR THERAPEUTIC PURPOSES (E.G., M

EDICATING,

604/48

IRRIGATING, ASPIRATING, ETC.)

ed subcutaneously

604/93.01

....Treating material introduced into or removed
from body orifice, or inserted or remov

other than by diffusing through skin

..Material introduced or removed through

10634485 CLSTITLES

conduit, holder, or implantable reservoi

r inserted in body

604/181

...Means moved by person to inject or remove
fluent material to or from body inserted
or reservoir

conduit, holder,

604/187

....Injector or aspirator syringe supported
only by person during use (e.g., hand held
syringe, douche tube with forced injection

hypodermic

, etc.)

604/200

.....Means broken, cut, pierced, or torn to
permit material flow to or from body

2 604/243 (1 OR, 1 XR)

Class 604 : SURGERY

604/19

MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO

M

BODY FOR THERAPEUTIC PURPOSES (E.G.,

MEDICATING,

604/48

IRRIGATING, ASPIRATING, ETC.)

ved subcutaneously

604/93.01

.Treating material introduced into or removed
from body orifice, or inserted or remo

ir inserted in body

604/181

other than by diffusing through skin
..Material introduced or removed through

conduit, holder, or implantable reservo

conduit, holder,

604/187

or reservoir

d hypodermic

....Injector or aspirator syringe supported
only by person during use (e.g., hand hel

n, etc.)

604/240

syringe, douche tube with forced injectio

604/243

.....Specific structure of means connecting
body entering conduit to syringe

iction

.....Conduit or holder therefor removably
attached to another injector component by f

2 604/264 (0 OR, 2 XR)

Class 604 : SURGERY

604/19

MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO

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M

ICATING,

604/48

subcutaneously

604/93.01

inserted in body

604/264

catheters,

2 604/275 (0 OR, 2 XR)

Class 604 : SURGERY

604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO

M

DICATING,

604/48

subcutaneously

604/93.01

inserted in body

604/264

, catheters,

604/275

2 604/905 (0 OR, 2 XR)

Class 604 : SURGERY

604/905 ASEPTIC CONNECTORS OR COUPLINGS (E.G.,
FRANGIBLE, PIERCABLE, ETC.)

2 606/191 (0 OR, 2 XR)

Class 606 : SURGERY

606/1 INSTRUMENTS

606/191 .Internal pressure applicator (e.g., dilator)

BODY FOR THERAPEUTIC PURPOSES (E.G., MED

IRRIGATING, ASPIRATING, ETC.)

.Treating material introduced into or removed
from body orifice, or inserted or removed
other than by diffusing through skin

..Material introduced or removed through
conduit, holder, or implantable reservoir

...Body inserted tubular conduit structure
(e.g., needles, cannulas, nozzles, trocars,
etc.)

BODY FOR THERAPEUTIC PURPOSES (E.G., ME

IRRIGATING, ASPIRATING, ETC.)

.Treating material introduced into or removed
from body orifice, or inserted or remove
other than by diffusing through skin

..Material introduced or removed through
conduit, holder, or implantable reservoir

...Body inserted tubular conduit structure
(e.g., needles, cannulas, nozzles, trocars,
etc.)

....Nozzle insertable into body orifice

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2 607/127 (1 OR, 1 XR)
Class 607 : SURGERY: LIGHT, THERMAL, AND ELECTRICAL
APPLICATION
607/1 LIGHT, THERMAL, AND ELECTRICAL APPLICATION
607/115 .Electrical energy applicator
607/116 ..Placed in body
607/119 ...Heart
607/122Catheter or endocardial (inside heart) typ
e
607/126With anchor means
607/127Axially-mounted helical type

about 2
abstact 1
accelerated 1
accompanying 1
according 1
achieved 2
acts 1
adding 1
adjacent 1
after 1
ag 1
aieame 1
airfmme 1
airframe 3
airfrnme 3
along 5
also 1
altemative 1
an 15
and 40
angle 3
ansparent 1
any 1
ap 1
apart 4
apnlication 1
are 17
arranged 1
arrangement 1
as 8
at 17
away 1
backwards 1
be 6
before 2
being 2
below 1
blown 1
bowl 1
build 1
builds 3
by 17
can 8
cap 40
circumferential 2
closed 3
cofmecting 1
colmecting 1

comprises 1
comprising 1
cone 10
conical 2
connecied 1
connected 1
connecting 6
considerable 1
consist 1
consists 2
control 1
copnected 1
cormected 2
cormecting 3
cormection 1
cover 8
covered 3
covering 1
ctive 1
curved 1
cutwed 1
dae 1
damaged 1
denotes 1
derived 1
described 1
detail 1
detect 1
detector 3
diametrally 1
die 1
dif 1
direction 1
disclosure 1
disengage 1
disengagement 1
disturbed 1
divided 7
dividing 1
dome 8
donae 1
drawings 1
dudng 1
during 2
each 4
edge 4
ee 1
elose 1

embodiment 3
embodiments 1
end 1
ends 1
enstlred 1
ensure 1
ensured 1
ensures 1
erent 1
essential 1
example 3
exposed 1
extending 4
fall 1
falls 2
fbe 1
fhe 3
fthrough 1
fig 15
figs 1
firjt 1
first 3
fitted 2
fitting 5
flight 4
fonn 1
fonning 1
for 6
form 7
formed 2
forming 1
freed 1
from 5
front 5
generating 1
generatrices 2
greater 1
guidance 1
guide 1
guided 5
guiding 1
halves 1
has 1
having 3
hayirm 1
head 10
held 2
here 1

high 1
however 1
if 1
illustrates 1
imaging 2
impairing 1
in 24
inclined 1
infrared 2
interior 1
interlocking 5
interlocks 1
into 4
invention 4
inwardly 2
is 40
it 5
ith 1
its 5
jettison 1
jettisoned 3
jettisoning 2
keeping 1
kept 2
known 1
least 2
ledge 2
length 1
life 1
like 1
limiting 1
ln 1
long 2
longer 2
longitudinally 1
longitudinily 1
material 1
meanj 1
means 13
mechanical 1
missile 16
missiles 2
ne 2
nereby 1
nese 1
neyefore 1
nis 1
no 2

non 1
not 2
numeral 1
object 3
of 61
off 1
on 2
one 2
only 2
onto 1
opening 12
opposing 1
optical 1
or 5
order 1
other 2
outwardly 1
outwards 1
over 2
ovey 1
page 5
part 1
partly 1
parts 20
patent 1
path 1
perspective 6
phase 1
preferably 2
preferred 1
pressme 1
presstlre 2
pressure 5
projecting 2
prot 1
protective 38
provide 1
provided 4
push 1
pushed 2
pushes 1
pushing 1
put 1
pyrotechnical 2
pyrotechnically 3
pyrotechnicatly 1
quickly 1
radial 1

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radiation 3
range 1
rear 1
recess 2
reference 1
relates 1
relea 1
releas 1
releasable 6
releasbd 1
release 5
releaseable 1
released 5
releasing 2
resealable 1
responsive 2
reticle 1
rt 1
safe 1
scene 1
screws 1
section 1
sectional 1
seeker 9
seen 1
segments 3
separated 2
several 1
shape 1
shaped 4
shortly 1
show 1
shown 2
shows 3
side 7
sideways 2
signals 1
similar 2
sirals 1
so 2
space 1
state 1
stecker 1
stmctures 1
stnlcttlre 1
stress 1
structlzres 1
structures 2

such 1
support 1
system 1
target 6
that 6
the 159
their 2
them 1
then 1
thenncical 1
there 1
thereby 2
therefore 1
these 1
this 5
three 1
through 1
tie 1
time 1
tip 17
to 29
together 4
towards 1
tracked 1
transparent 1
tructtlres 1
truncated 1
trying 1
two 17
up 5
usually 1
velocities 1
very 1
view 6
visible 1
way 1
when 2
wherein 1
which 6
while 1
window 2
with 7
within 3
without 2
wllich 1